



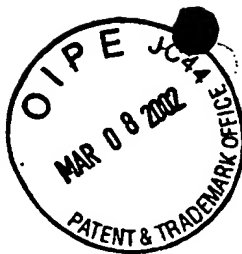
RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

Sheet 1 of 13

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 112430.134US7	
				Serial No. 09/993,739	
				Applicant Lee et al.	
				Filing Date Nov. 23, 2001	
				Group 1616	
				IDS Filed	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					
(37 CFR §1.98(b))					
U.S. PATENTS					
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Filing Date (If Appropriate)
M	5,605,713	02/25/97	Boltong		
M	5,152,836	09/12/91	Hirano		
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION					
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Translation (Yes/No)
M	JP 06228011	12/12/94	Japan		Abstract only
	JP 7277712	10/24/95	Japan		Abstract only
	JP 63111875	05/17/88	Japan		Abstract only
	WO 92/02453	07/05/91	PCT WO		
	WO 94/02412	02/03/94	PCT WO		
	WO 94/04657	08/12/93	PCT WO		
	WO 94/25080	11/10/94	PCT WO		
	WO 95/08319	09/23/94	PCT WO		
	WO 96/36562	05/20/96	PCT WO		
	WO 97/17285	11/07/96	PCT WO		
	WO 92/001009	01/09/92	PCT WO		
	WO 94/20064	09/15/94	PCT WO		
	EP 0 268 463	05/25/88	Europe		
	EP 0 347 028	11/18/89	Europe		
EXAMINER <i>Merley</i>			DATE CONSIDERED 3/18/03		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.					



RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

Sheet 2 of 13

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE		Attorney Docket No.	112430.134US7
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	09/993,739
		Applicant	Lee et al.
		Filing Date	Nov. 23, 2001
		Group	1616
		IDS Filed	
(37 CFR §1.98(b))			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)			
✓	Appel et al. "Recent Advances in Implants for Bone Growth Promotion" <i>Exp. Opin. Ther. Patents</i> 4:1461 (1994)		
	Athanassou et al., "Current Concepts Review Cellular Biology of Bone-Resorbing Cells" <i>J. Bone and Joint Surg.</i> 78A:1096-1112 (1996)		
	Hayes et al., "Augmentation of Cementless Femoral Stems to Improve Initial Stability Using a Remodelable Calcium-Phosphate Bone Material Substitute" 61 st Annual American Academy of Orthopedic Surgeons Meeting, New Orleans (02/94)		
	Jang "Advanced Polymer Composites" Chapter 1, Introduction, <i>The Materials Information Society</i> 95?		
	Norian Corporation, Product Information Sheet, "The Material Science of Norian SRS™, Skeletal Repair System™" 95?		
✓	Rey et al., "Chemical Properties of Poorly Crystalline Apatites" <i>Phosphorus Res. Bull.</i> 6:67-70 (1996) abstract only		
EXAMINER <i>Millery</i>		DATE CONSIDERED <i>3/18/03</i>	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant			



RECEIVED

MAR 14 2002

Sheet 3 of 13

Form PTO-1449
(REV. 8-83)U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket:
112430.134US7In re Application No.
09/993,739

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Lee et al.

Filing Date:
Nov. 23, 2001

Group: 1616

U. S. PATENT DOCUMENTS

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
Me	4,684,673	Adachi	August 4, 1987	523	116
	5,262,166	Liu et al.	November 16, 1993	424	423
	5,281,265	Liu	January 25, 1994	106	35
	5,427,754	Nagata et al.	June 27, 1995	423	308
	5,516,532	Atala et al.	May 14, 1996	424	548
	5,565,502	Glimcher et al.	October 15, 1996	523	115
	5,665,120	Ohtsuka et al.	September 9, 1997	623	16
	5,691,397	Glimcher et al.	November 25, 1997	523	115
	5,700,289	Breitbart et al.	December 23, 1997	623	16
	5,782,971	Constantz et al.	July 21, 1998	106	690

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No
Me	WO 94/08458	International WO	April 28, 1994	✓	

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Me	Barton, et al., "Surface and Bulk Properties of Amorphous Calcium Phosphate", Colloid Interface Sci., 50th Proceeding Int'l Conf. 3:71(1976) CA:87:73954v
Me	Besic, et al., "Electron Probe Microanalysis of Noncarious Enamel and Dentin and Calcified Tissues in Mottled Teeth", J. Dent. Res, 48: 131, Jan-Feb, 1969
Me	Constanz, et al., "Skeletal Repair by in Situ Formation of the Mineral Phase of Bone", Science, 267:1976, (March, 1995.)

Me Oles 3/10/03

RECEIVED

MAR 14 2002

Sheet 4 of 13

Form PTO-1449
(REV. 8-83)U.S. Department of Commerce
Patent and Trademark Office

TECH CENTER 1600/2900

App. Docket:

112430.134US7

In re Application No.

09/993,739

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Lee et al.

Filing Date:

Nov. 23, 2001

Group: 1616

Driessens, et al., "Calcium Phosphate Bone Cements", Encyclopedic Handbook of Biomaterials and Bioengineering, Wise (Eds) New York, Marcel Dekker, pp 855-877, 1995.

Ducheyne, et al., "Introduction to Bioceramic Composites", Bioceramics, Advanced Series in Ceramics, Volume I.

Eanes, "Thermochemical Studies on Amorphous Calcium Phosphate", Calc. Tiss. Res. 5:133 (1979)

Eanes, et al., "Intermediate Phases in the Basic Solution Preparation of Alkaline Earth Phosphates", Calcified Tissue Res. 2(1): 38 (1968)

Eanes, et al., "Intermediate States in the Precipitation of Hydroxyapatite", Nature, 208: 365, (October 1965.)

Fukase, et al., "Setting Reactions and Compressive Strengths of Calcium Phosphate Cements", J. Dent. Res 69(12): 1852, (December, 1990)

Gao, et al., "Established Competence of Bioactive Composite Bone Substitute on the Healing of Diaphyseal Segmental Defects in Sheep, Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada

Glimcher, "Recent Studies of the Mineral Phase in Bone and its Possible Linkage to the Organic Matrix by Protein-Bound Phosphate Bonds", Phil. Trans. R. Soc. Land. B 304: 479 (1984).

Glimcher, et al. "Recent Studies of Bone Mineral is the Amorphous Calcium Phosphate Theory Valid", Journal of Crystal Growth 53:100 (1981)

Graves, et al., "Resorbable Ceramic Implants", J. Biomed. Mater. Res. Symposium 2:91, (1971)

Greenfield, et al., "Formation Chemistry of Amorphous Calcium Phosphates Prepared from Carbonate Containing Solutions", Calc. Tiss. Res. 9: 152 (1972).

Hollinger, et al., "Role of Bone Substitutes", Clinical Orthopaedics and Related Research, 324: 55, (1996).

Horioglu, et al., "Long Term Follow-up of Hydroxyapatite Cement (HAC) Implants for Craniofacial Reconstruction", 21st Annual Meeting of the Society for Biomaterials, March 18-22, 1995, San Francisco, CA

Ishikawa, et al., "Effects of Preparation Conditions in Aqueous Solution on Properties of Hydroxyapatites", J. Biomed. Mater. Res. 9 (1):58 (1990) [CA 113:21868j]

Map Log 3/10/03

Form PTO-1449
(REV. 8-83)U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket:
112430.134US7In re Application No.
09/993,739

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Lee et al.

Filing Date:
Nov. 23, 2001

Group: 1616

Kinoshita, et al., "Reconstruction of Mandibular Discontinuity Defects in Dogs Using Autogenic Particulate Cancellous Bone and Marrow and Poly (L-lactide) Mesh, Fifth World Biomaterials Congress, May 29-June 2, 1996. Toronto, CA

Labarthe, et al., "Sur La Structure Et Les Proprietes Des Apatites Carbonatees De Type B Phospho-Calciques," Ann Chem. 8:289, 1973.

Nylen, et al., "Molecular and Ultrastructural Studies of Non-Crystalline Calcium Phosphates", Calc. Tiss. Res. 9:95, 1972.

Otsuka, et al., "Effect of Particle Size of Metastable Calcium Phosphates on Mechanical Strength of a Novel Self-Setting Bioactive Calcium Phosphate Cement", Journal of Biomedical Materials Research, 29:25 (1995)

Pool, "Coral Chemistry Leads to Human Bone Repair", Science 269:1772 (March, 1995).

Posner, et al., "Synthetic Amorphous Calcium Phosphate and its Relation to Bone Mineral Structure", Bone Mineral Structure, 8:273 (1975)

Rey, et al., "Preparation of Microporous Ceramic at Low Temperature From Poorly Crystalline Apatite", Symposium Abstract, 1993.

Rey, et al., "Structural Studies of the Mineral Phase of Calcifying Cartilage", J. Bone Min. Res. 6:515, 1991.

Rey, et al., "The Carbonate Environment in Bone Mineral: A Resolution-Enhanced Fourier Transform Infrared Spectroscopy Study, Cal. Tissue Int. 45:157-164, 1989.

Termine, et al., "Amorphous/Crystalline Interrelationships in Bone Mineral", Calc. Tissue. Res. 1:8 78

Tung, et al., "An Intermediate State in Hydrolysis of Amorphous Calcium Phosphate", Calc. Tissue Int. 35:784, 1983.

Yasue, et al., "Effect of Adsorption of Succine Acid on the Formation of Amorphous Calcium Phosphate, International Edition, 102(12):1122(1994)

EXAMINER

DATE CONSIDERED 3/1/83

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 6 of 13

Form PTO-1449
(REV. 8-83)U.S. Department of Commerce
Patent and Trademark OfficeAtty.
Docket
112430.134US7In re Application No.
09/993,739

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Lee et al.

Filing Date
Nov. 23, 2001

Group 1616

U. S. PATENT DOCUMENTS

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
M	Re. 33,161	Brown et al.	Feb. 6, 1990	423	308
	Re. 33,221	Brown et al.	May 22, 1990	423	308
	4,157,378	Tomlinson et al.	June 5, 1979	423	301
	4,612,053	Brown et al.	Sep. 16, 1986	706	35
	4,737,411	Graves, Jr. et al.	Apr. 12, 1988	428	403
	5,427,754	Nagata et. al	Jun. 27, 1995	423	308
	4,429,691	Niwa et. al	Feb. 7, 1984	128	92
	4,849,193	Palmer et. al.	Jul. 18, 1989	423	308
	4,880,610	Constantz	Nov. 14, 1989	423	305
	4,917,702	Scheicher et al.	Apr. 17, 1990	623	16
	4,938,938	Ewers et al.	July 03, 1990	423	308
	4,959,104	Iino et al.	Sep. 25, 1990	106	85
	5,034,059	Constantz	Jul. 23, 1991	106	161
	5,037,639	Tung	Aug. 6, 1991	424	57
	5,047,031	Constantz	Sep. 10, 1991	606	77
	5,053,212	Constantz et al.	Oct. 1, 1991	423	305
	5,085,861	Gerhart et al.	Feb. 4, 1992	424	78.17
	5,129,905	Constantz	Jul. 14, 1992	606	76
V	5,149,368	Liu et al.	Sep. 22, 1992	424	602
	5,164,187	Constantz et al.	Nov. 17, 1992	424	423

rev'd by 3/10/03

Form PTO-1449
(REV. 8-83)U.S. Department of Commerce
Patent and Trademark OfficeAtty.
Docket
112430.134US7In re Application No.
09/993,739

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Lee et al.

Filing Date
Nov. 23, 2001

Group 1616

	5,178,845	Constantz et al.	Jan. 12, 1993	423	305
	5,279,831	Constantz et al.	Jan. 18, 1994	424	423
	5,286,763	Gerhart et al.	Feb. 15, 1994	514	7724
	5,336,264	Constantz et al.	Aug. 9, 1994	623	16
	5,470,803	Bonfield et al.	Nov. 28, 1995	501	1
	5,496,399	Ison et al.	Mar. 5, 1996	106	35
	5,522,893	Chow et al.	June 4, 1996	623	11
	5,525,148	Chow et al.	Jun. 11, 1996	106	35
	5,542,973	Chow et al.	Aug. 6, 1996	106	35
	5,545,254	Chow et al.	Aug. 13, 1996	106	35

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No
	WO 94/02412	PCT	Jul. 7, 1995	✓	
	EP 0664133	Europe	Feb. 3, 1994	✓	
	JP 2-182261	Japan	Jul. 16, 1990		
	JP 5-305134	Japan	Jul 5, 1993	?	
	JP 63170205 (Abstract)	Japan	July 14, 1988	✓	

Examiner's
InitialsOTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.)

3/18/03

Form PTO-1449
(REV. 8-83)U.S. Department of Commerce
Patent and Trademark OfficeAtty.
Docket
112430.134US7In re Application No.
09/993,739

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Lee et al.

Filing Date

Nov. 23, 2001

Group

1616

m Gao, T.J. "Established competence of Bioactive Composite Bone Substitute on the Healing of Diaphyseal Segmental Defects in Sheep," Fifth World Biomaterials Congress, May 29-June 2, Toronto, Canada. (98)

Glimcher et al., "Recent studies of the mineral phase in bone and its possible linkage to the organic matrix by protein-bound phosphate bonds", Phil. Trans. R. Soc. Lond., B 304:479-508, 1984.

Glimcher et al., "Recent Studies of Bone Mineral: Is the Amorphous Calcium Phosphate Theory Valid?" J. Crystal Growth, 53: 100-119 (1981).

Graves et al., "Resorbable Ceramic Implants", J. Biomed. Mater. Res. Symposium, No. 2 (Part 1), pp. 91-115 (1971).

Greenfield et al., "Formation chemistry of amorphous calcium phosphates prepared from carbonate containing solutions", Calc. Tiss. Res., 9:152 (1972).

Hirasawa et al., "Manufacture of high purity hydroxyapatite," Chemical Abstracts, 108 (10), p. 166, no. 78193h (March 7, 1988).

Holmes et al., "Surface areas by gas adsorption on amorphous calcium phosphate and crystalline hydroxyapatite", Calc. Tiss. Res., 7:163 (1971).

Ishikawa et al., "Effects of preparation in aqueous solution on properties of hydroxyapatites", Dent. Mater. J. 9(1):58 (1990) [CA 113:218168] (Abstract)

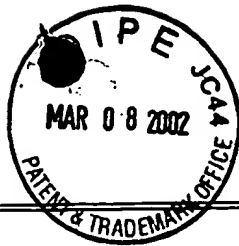
Jones et al., "Poly [L-Lactide] and Poly [L-Lactide] Ceramic Filled Composites: A Long Term in vivo/in vitro Degradation Study," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

Kamei et al., "Implantation of hydroxyapatite-bonded polymer," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

Kim et al., "Hyaluronan Based Biodegradable Scaffolds for Skeletal Tissue Reconstruction," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

✓ Kinoshita et al., "Reconstruction of Mandibular Discontinuity Defects in Dogs using Autogenic Particulate Cancellous Bone and Marrow and Poly(L-lactide) mesh," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

Merley 3/17/03

Form PTO-1449
(REV. 8-83)U.S. Department of Commerce
Patent and Trademark OfficeAtty.
Docket

112430.134US7

In re Application No.

09/993,739

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Lee et al.

Filing Date

Nov. 23, 2001

Group

1616

M Labarthe et al., "Sur la structure et les propriétés des apatites carbonatées de type B phospho-calciques", Ann. Chem., 8:289 (1973).

Ladizesky et al., "Hydrostatic Extrusion of Hydroxyapatite Polyethylene Composite", Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

Liu et al., "Nano-Apatite/Polymer Composites II. Surface Modification of Nano-Apatite by Grafting of Polyethylene Glycol," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

Nylen et al., "Molecular and ultrastructural studies of non-crystalline calcium phosphates" Calc. Tiss. Res., 9:95 (1972).

Oka et al., "Development of Artificial Osteo-Chondral Composite Material," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

Otsuka et al., "Effect of particle size of metastable calcium phosphates on mechanical strength of a novel self-setting bioactive calcium phosphate", J. Biomed Mat. Res., 29:25 (1995).

Pool, "Coral chemistry leads to human bone repair", Science, 269:1772 (March, 1995).

Posner et al., "Synthetic amorphous calcium phosphate and its relation to bone mineral structure", Bone Mineral Structure, 8:273-281 (1975).

Rey et al., "The carbonate environment in bone mineral: a resolution-enhanced fourier transform infrared spectroscopy study", Calcif. Tissue Int., 45:157 (1989).

Rey et al., "Structural studies of the mineral phase of calcifying cartilage", J. Bone Min. Res., 6:515 (1991).

Rey et al., "Preparation of Microporous Ceramic at Low Temperature from Poorly Crystalline Apatite", Symposium Abstract, 1993.

Rizkalla et al., "Effect of Composition on Strength of Bioactive Composites," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

Saifullin, R.S., "Physical Chemistry of Inorganic Polymeric and Composite Materials", Chapter 1: Introduction, Ellis Horwood, New York. 95

Selmani et al., "Bioerodible Polyester Foams for Orthopaedic Tissue Culture," Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, Canada.

M. Oley 3/18/03

**RECEIVED**

MAR 14 2002

TECH CENTER 1600/2900

Sheet 10 of 13

Form PTO-1449 (REV. 8-83)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket 112430.134US7	In re Application No. 09/993,739
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				Applicant: Lee et al.	
				Filing Date Nov. 23, 2001	Group 1616
	Termine et al., "Amorphous/Crystalline Interrelationships in Bone Mineral", Calc. Tiss. Res. 1, 8-23 (1967).				
	Törmälä, P., "Biodegradable Self-Reinforced Composite Materials; Manufacturing Structure and Mechanical Properties", Clinical Materials 10:29-34 (1992).				
	Tung et al., "An intermediate state in hydrolysis of amorphous calcium phosphate", Calcif. Tissue Int., 35:783 (1983).				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

DS1.1
DS1.400265.1

Sheet 11 of 13

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 112430.134US7		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Serial No. 09/993,739		
				Applicant Lee et al.		
				Filing Date Nov. 23, 2001		
				Group 1616		
(37 CFR §1.98(b))				IDS Filed		
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
M	4,429,691	02/07/84	Niwa et al.	1	1	
	4,698,375	10/06/87	Dorman et al.			
	4,713,076	12/15/87	Draenert et al.			
	4,722,948	02/02/88	Sanderson et al.			
	5,007,930	04/16/91	Dorman et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
M	EP 0 520 690	12/30/92	Europe EP	1	1	
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
M	Boskey, Adele I., "Matrix Proteins and Mineralization: An Overview", <i>Connect. Tiss. Res.</i> , 35, (1-4):357-363 (1997).					
	Butterman, et al., "The use of bone allografts in the spine", <i>Clinic. Orthoped. Rel. Res.</i> , 324: 75 (1996).					
	Crowley, et al., "Prostheses for primary total hip replacement", <i>Int'l. J. Technol. Assess. Health Care</i> , 11(4): 770 (1995).					
	Denissen et al., "Net-shaped hydroxyapatite implants for release of agents modulating periodontal-like tissues", <i>J. Periodontal Res.</i> , 32:40-46 (1997).					
	Ducheyne, et al., "Advanced Series in Ceramics, Vol. 1.; "Introduction to Bioceramic Composites", L. Hench and J. Wilson, Eds World Scientific New Jersey. 75					
EXAMINER			DATE CONSIDERED			
M. O. L.			3/18/03			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						



RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

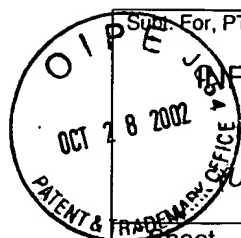
Sheet 12 of 13

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 112430.134US7		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Serial No. 09/993,739		
				Applicant Lee et al.		
				Filing Date Nov. 23, 2001		
				Group 1616		
				IDS Filed		
(37 CFR §1.98(b))						
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
M	5,019,379	05/28/91	Domb et al.	1	1	
	5,049,157	09/17/91	Mittelmeier et al.			
	5,264,215	11/23/93	Nakabayashi et al.			
	5,286,763	02/15/94	Gerhart et al.			
	5,342,441	08/30/94	Mandai et al.			
	5,352,715	02/28/92	Wallace et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
M	Friis, et al., "Fracture Toughness of Surface-Treated Carbon Fiber Reinforced Composite Bone Cement", <i>Fifth World Biomaterials Congress</i> , Toronto, Canada May 29-June 2, 1996.					
ru	Hubbell, "Biomaterials in tissue engineering", <i>Bio/technology</i> , 13:56, (1995).					
M	Thissen et al., "Surface modification of bioresorbable polymers by plasma induced graft polymerization", <i>Fifth World Biomaterials Congress</i> , Toronto, Canada May 29-June 2, 1996.					
EXAMINER	[Signature]			DATE CONSIDERED 3/10/03		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

RECEIVED

OCT 30 2002

TECH CENTER 1600/2900



Sub For, PTO-1449 INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Docket Number 112430.134US7	Application Number 09/993,739
				Applicant Lee et al.	
				Filing Date November 23, 2001	Group Art Unit 1616
Sheet 1	OF 1				

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ML</i>	5,650,176	Jul 22, 1997	Lee et al.	424	602	Dec 29, 1995
	5,676,976	Oct 14, 1997	Lee et al.	424	602	May 19, 1995
	5,683,461	Nov 4, 1997	Lee et al.	623	16	Dec 29, 1995
	6,027,742	Jul 22, 1997	Lee et al.	424	602	Dec 29, 1995
	6,117,456	Sep 12, 2000	Lee et al.	424	602	Oct 16, 1996
	6,132,463	Oct 17, 2000	Lee et al.	623	16	Oct 16, 1996
	6,139,578	Oct 31, 2000	Lee et al.	623	16.11	Feb 13, 1998
	6,214,368 B1	Apr 10, 2001	Lee et al.	424	423	May 20, 1996
	6,277,151 B	Aug 21, 2001	Lee et al.	623	23.61	Feb 13, 1998
	6,287,341 B	Sep 11, 2001	Lee et al.	623	16.11	Mar 6, 1998
	6,331,312 B1	Dec 18, 2001	Lee et al.	424	426	Mar 2, 1998

Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

EXAMINER <i>Mulvey</i>	DATE CONSIDERED 3/10/03
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	